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PATNO IS 5667504

DATE: MARCH 15, 2000  
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DATE: MARCH 15, 2000  
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1. 5,667,504, Sep. 16, 1997, Process for the adjustment of a switchable flow limiting apparatus, and an apparatus operating according to the process, Baumann, Hans, Bahnhofstrasse 12a, 24223 Raisdorf, Federal Republic of Germany Otto, Karl-Heinz, AmHochbehälter 13, 24146 Kiel, Federal Republic of Germany Hinrichs, Kai-Jürgen, Holtenauer Strasse 116, 24118 Kiel, Federal Republic of Germany Graczyk, Wolfgang, Randersstrasse 2, 24109 Kiel, Federal Republic of Germany Peters, Jörg-Roger, Dorfstrasse 20, 24241 Schmalstede, Federal Republic of Germany

CORE TERMS: infusion, flow-limiting, energy, valve, adjustment, appliance, path, medicament, throttle, pump...

1. 5,667,504, Sep. 16, 1997, Process for the adjustment of a switchable flow limiting apparatus, and an apparatus operating according to the process, Baumann, Hans, Bahnhofstrasse 12a, 24223 Raisdorf, Federal Republic of Germany Otto, Karl-Heinz, AmHochbehälter 13, 24146 Kiel, Federal Republic of Germany Hinrichs, Kai-Jürgen, Holtenauer Strasse 116, 24118 Kiel, Federal Republic of Germany Graczyk, Wolfgang, Randersstrasse 2, 24109 Kiel, Federal Republic of Germany Peters, Jörg-Roger, Dorfstrasse 20, 24241 Schmalstede, Federal Republic of Germany

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5,667,504

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Sep. 16, 1997

Process for the adjustment of a switchable flow limiting  
apparatus, and an apparatus operating according to the  
process

REISSUE: Reissue Application filed Sep. 16, 1999 (O.G. Nov. 23, 1999) Ex. Gp.:  
3735; Re. S.N. 09/398,854

CORE TERMS: infusion, flow-limiting, energy, valve, adjustment, appliance,  
path, medicament, throttle, pump...

5,667,504 OR 5667504

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Search statement 1

?/pn us5667504

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Search statement 5

?prt pset 1

1/1 LGST - (C) LEGSTAT

Patent Number -US 5667504 [US5667504]

Application Number -US 321638/94 19941011 [1994US-0321638]

Document Type -US-P

Action Taken -19941011 US/AE-A

APPLICATION DATA (PATENT)

{US 321638/94 19941011 [1994US-0321638]}

-19941130 US/AS02

ASSIGNMENT OF ASSIGNOR'S INTEREST

CARL-ZEISS-STIFTUNG 89518 HEIDENHEIM (BRENZ), GERMANY \*

BAUMANN, HANS : 19941007; OTTO, KARL-HEINZ : 19941007;

HINRICHS, KAI-JURGEN : 19941007; PETERS, JORG-ROGER :

19941007; G : 19941007

-19970916 US/A

PATENT

-19991123 US/RF

REISSUE APPLICATION FILED

19990916

Update Code -1999-47

?file lita

Selected file: LITA

Search statement 1

?nbr /pn us5667504

1	3	US5666745
2	1	US5666766
3	1	US5666789
4	1	US5667183
5	1	US5667291

6	1	US5667520
7	2	US5667593
8	1	US5667763
9	1	US5668575
10	1	US5668828
11	1	US5670200
12	1	US5670347
13	7	US5670537
14	2	US5670943
15	2	US5670988

*no citations for '504 in LITALERT*

Some: numbers / Continue: Y / None: N

?file past

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Search statement 3

?nbr /pn us5667504

1	1	US5667491
2	2	US5667492
3	2	US5667494
4	1	US5667503
5	1	US5667504
6	2	US5667520
7	1	US5667521
8	1	US5667537
9	1	US5667541
10	1	US5667547
11	1	US5667562
12	1	US5667576
13	1	US5667578
14	1	US5667589
15	1	US5667591

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?5

\*\* SS 3: Results 1  
Continue: Y / N

?prt pset 1

1/1 PAST - (C) PAST

Accession Number -199947-001384

Patent Number -5667504 A [US5667504]

Official Gazette Dat-1999-11-23

Actions -REISSUE APPLICATION FILED

File 345:Inpadoc/Fam.& Legal Stat 1968-2000/UD=200009  
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Set	Items	Description
S1	1	PN=US 5667504

1/9/1

DIALOG(R)File 345:Inpadoc/Fam.& Legal Stat  
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12286777

Basic Patent (No,Kind,Date): EP 647453 A1 950412 <No. of Patents: 003>

PATENT FAMILY:

GERMANY (DE)

Patent (No,Kind,Date): DE 4334247 A1 950413

VERFAHREN ZUR VERSTELLUNG EINER SCHALTbaren DURCHFLUSSBEGRENZENDEn  
VORRICHTUNG UND EINE NACH DEM VERFAHREN ARBEITENDE VORRICHTUNG  
(German)

Patent Assignee: ANSCHUETZ & CO GMBH (DE)

Author (Inventor): BAUMANN HANS DR (DE); OTTO KARL-HEINZ (DE);  
GRACZYK WOLFGANG (DE); HINRICHS KAI-JUERGEN (DE); PETERS  
JOERG-ROGER (DE)

Priority (No,Kind,Date): DE 4334247 A 931008

Applic (No,Kind,Date): DE 4334247 A 931008

IPC: \* A61M-005/172; F15B-013/01

Derwent WPI Acc No: \* G 95-140564

Language of Document: German

GERMANY (DE)

Legal Status (No,Type,Date,Code,Text):

DE 4334247	P	931008	DE AE	DOMESTIC APPLICATION (PATENT APPLICATION) (INLANDSANMELDUNG)
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(PATENTANMELDUNG))

DE 4334247	A	931008
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DE 4334247	P	950413	DE A1	LAYING OPEN FOR PUBLIC INSPECTION (OFFENLEGUNG)
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DE 4334247	P	960404	DE 8127	NEW PERSON/NAME/ADDRESS OF THE APPLICANT (AENDERUNG IN PERSON, NAMEN ODER WOHNORT DES ANMELDERS)
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OPTON FEINTECHNIK KIEL GMBH, 24106 KIEL, DE

EUROPEAN PATENT OFFICE (EP)

Patent (No,Kind,Date): EP 647453 A1 950412

METHOD FOR DISPOSING OF A CONTROLLABLE, FLOW REGULATING DEVICE AND  
APPARATUS OPERATING ACCORDING TO THE METHOD. (English; French;  
German)

Patent Assignee: ANSCHUETZ & CO GMBH (DE)

Author (Inventor): BAUMANN HANS DR (DE); HINRICHS KAI-JUERGEN (DE);  
OTTO KARL-HEINZ (DE); PETERS JOERG-ROGER (DE); GRACZYK WOLFGANG  
(DE)

Priority (No,Kind,Date): DE 4334247 A 931008

Applic (No,Kind,Date): EP 94114838 A 940921

Designated States: (National) DE; ES; FR; GB; IT

IPC: \* A61M-005/168; A61M-005/172; A61M-005/155

Derwent WPI Acc No: \* G 95-140564; G 95-140564

Language of Document: German

EUROPEAN PATENT OFFICE (EP)

Legal Status (No,Type,Date,Code,Text):

EP 647453	P	931008	EP AA	PRIORITY (PATENT APPLICATION)
			(PRIORITAET (PATENTANMELDUNG))	
EP 647453	P	940921	DE 4334247 A	931008
			EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
EP 647453	P	950412	EP 94114838 A	940921
			EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)
			DE ES FR GB IT	
EP 647453	P	950412	EP A1	PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 647453	P	950830	EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
			950705	
EP 647453	P	951206	EP RAP1	APPLICANT (CORRECTION) (ANMELDER (KORR.))
			OPTON FEINTECHNIK KIEL GMBH	
EP 647453	P	990707	EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID)
			19990519	

# UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 5667504 A 970916

PROCESS FOR THE ADJUSTMENT OF A SWITCHABLE FLOW LIMITING APPARATUS, AND AN APPARATUS OPERATING ACCORDING TO THE PROCESS (English)

Patent Assignee: BAUMANN HANS (DE); OTTO KARL-HEINZ (DE); HINRICHS KAI-JURGEN (DE); GRACZYK WOLFGANG (DE); PETERS JORG-ROGER (DE)

Author (Inventor): BAUMANN HANS (DE); OTTO KARL-HEINZ (DE); HINRICHS KAI-JURGEN (DE); GRACZYK WOLFGANG (DE); PETERS JORG-ROGER (DE)

Priority (No,Kind,Date): DE 4334247 A 931008

Applic (No,Kind,Date): US 321638 A 941011

National Class: \* 604891100; 604152000; 128903000

IPC: \* A61K-009/22

Derwent WPI Acc No: \* G 95-140564

Language of Document: English

# UNITED STATES OF AMERICA (US)

Legal Status (No,Type,Date,Code,Text):

US 5667504	P	931008	US AA	PRIORITY (PATENT)
			DE 4334247 A	931008
US 5667504	P	941011	US AE	APPLICATION DATA (PATENT) (APPL. DATA (PATENT))
			US 321638 A	941011
US 5667504	P	941130	US AS02	ASSIGNMENT OF ASSIGNOR'S INTEREST
			CARL-ZEISS-STIFTUNG 89518 HEIDENHEIM (BRENZ), GERMANY ; BAUMANN, HANS : 19941007; OTTO, KARL-HEINZ : 19941007; HINRICHS, KAI-JURGEN : 19941007; PETERS, JORG-ROGER : 19941007; G : 19941007	
US 5667504	P	970916	US A	PATENT
US 5667504	P	991123	US RF	REISSUE APPLICATION FILED (REISSUE APPL. FILED)
			19990916	